IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
Manufacturer: ViewSonic
Firmware Version: N/A
Model(s): CD5233, CD4232

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
2	8/3/2012	1.5.1	3.3.2	Added model CD4232.
1	7/27/2012	1.5.1	3.3.2	Initial version.

Driver Notes:

1. Executive Mode 1 represents locking the remote control buttons.
2. Executive Mode 2 represents locking the menu navigation buttons, plus the power, input, audio mute buttons on remote control.
3. The driver includes optimization for volume control.

Control Commands & States:

Aspect Ratio	Full	Normal	Custom
	Dynamic	Real	
Audio Mode	Main	PIP	
Audio Mute	On	Off	
Auto Image	Execute		
Executive Mode 1	Pass Through	On	Off
Executive Mode 2	On	Off	
Input	VGA	HDMI	DVI (Digital)
	AV	YPbPr	S-Video
Keypad	0-9		
Menu Navigation	Menu	Up	Down
	Left	Right	OK
	Exit		
On Screen Display	Toggle		
PIP Input	VGA	HDMI	DVI (Digital)
	AV	YPbPr	S-Video
PIP Mode	PIP	POP	PBP
	PBPA	Off	
PIP Position	Up	Down	Left
	Right		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Status Available:

Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Executive Mode 1	Pass Through	On	Off
Executive Mode 2	On	Off	
Input	VGA AV	HDMI YPbPr	DVI (Digital) S-Video
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		

MLC60 Series Supported Commands:

Aspect Ratio	Full	Normal	Custom
	Dynamic	Real	
Audio Mode	Main	PIP	
Audio Mute	On	Off	
Auto Image	Execute		
Executive Mode 1	Pass Through	On	Off
Executive Mode 2	On	Off	
Input	VGA	HDMI	DVI (Digital)
	AV	YPbPr	S-Video
Keypad	0-9		
Menu Navigation	Menu	Up	Down
	Left	Right	OK
	Exit		
On Screen Display	Toggle		
PIP Input	VGA	HDMI	DVI (Digital)
	AV	YPbPr	S-Video
PIP Mode	PIP	POP	PBP
	PBPA	Off	
PIP Position	Up	Down	Left
	Right		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

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Cable and Adapter Requirements:

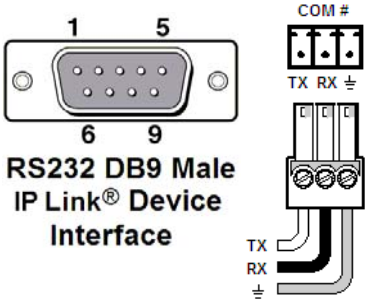
F/F DB9 RS232 null modem serial cable.

Notes for the Device:

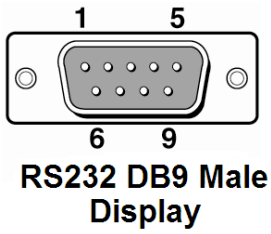
Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RxD	2		2	RxD
TxD	3		3	TxD
GND	5		5	GND



Note: Captive screw connector may also be used as a serial connection.

General Notes: